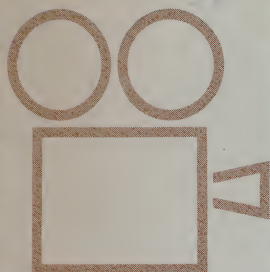


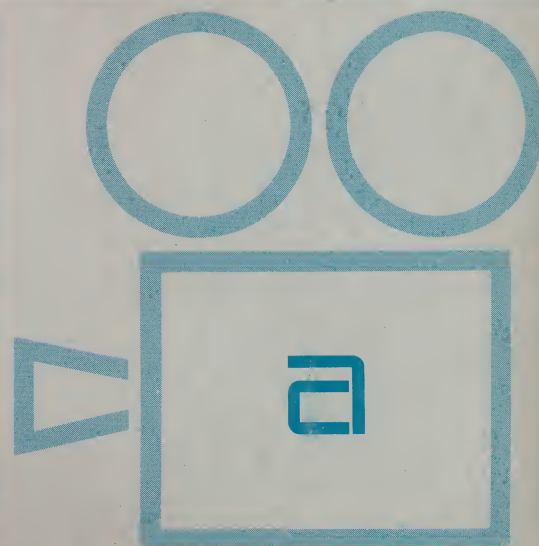
ACME

SPECIAL EFFECTS MOTION PICTURE EQUIPMENT



MANUFACTURED BY PHOTO-SONICS, INC.

820 SOUTH MARIPOSA STREET, BURBANK, CALIFORNIA



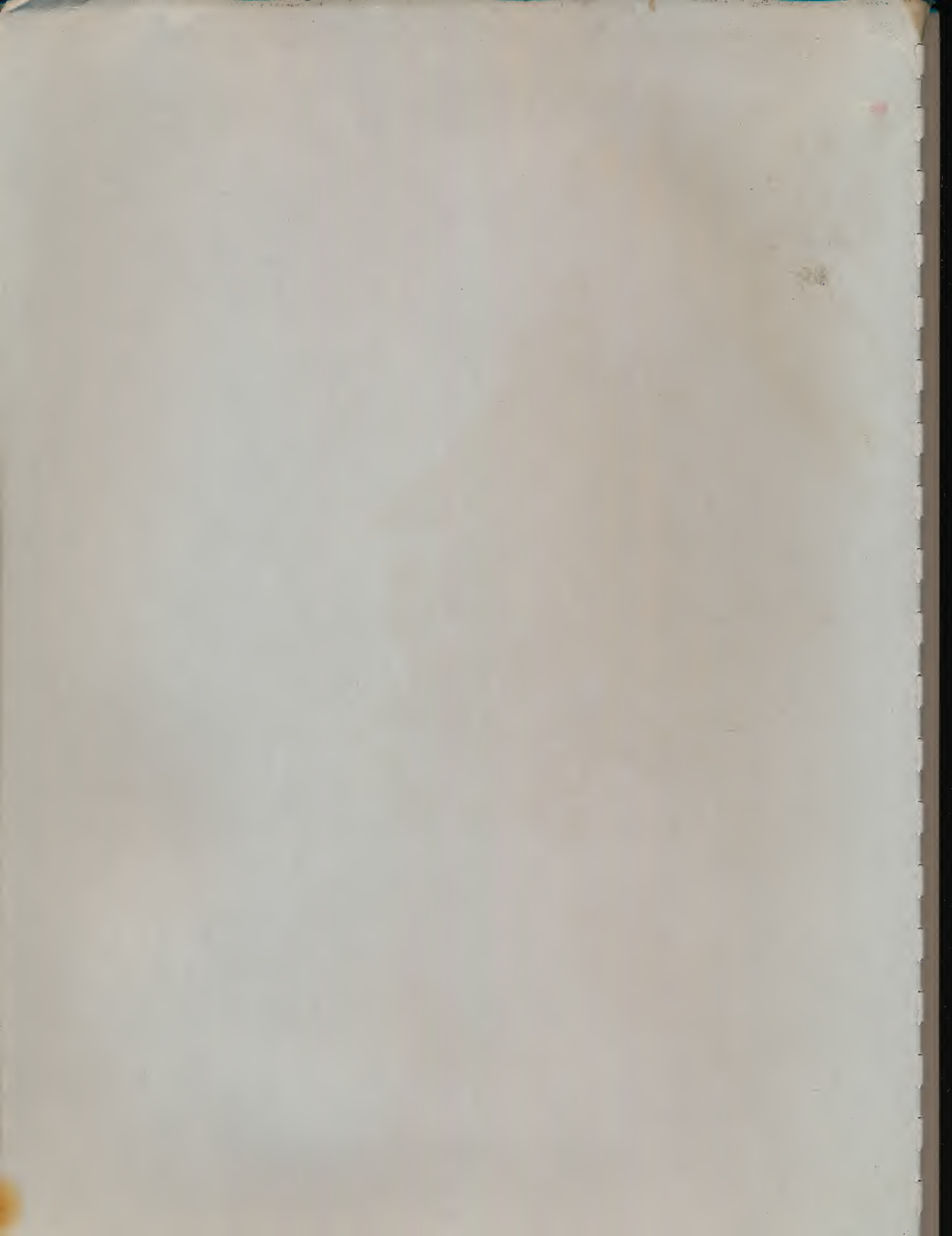


PHOTO-SONICS INC.
PRICE LIST ON ACME EQUIPMENT
1 MAY 1965

(Prices are net FOB Burbank, California, and subject to change without notice)

<u>No.</u>	<u>Item</u>	<u>Price</u>
1	Acme 35 mm Film Movement (for modification prices see separate price schedule)	\$ 650.00
2	Acme 35 mm Movement Cam (Projector Type)	150.00
2A	Acme 35 mm Movement Cam (Camera Type)	250.00
3	Acme 16 mm Film Movement (for modification prices see separate price schedule)	750.00
4	Acme 16 mm Movement Cam (Projector Type)	150.00
4A	Acme 16 mm Movement Cam (Camera Type)	250.00
6-16	Acme 16 mm Reflex Camera (for modifications and accessories see separate price schedule)	3,000.00
6B-16	Acme 16 mm Rack-Over Camera (for modifications and accessories see separate price schedule)	3,400.00
6-35	Acme 35 mm Reflex Camera (for modifications and accessories see separate price schedule)	2,900.00
6B-35	Acme 35 mm Rack-Over Camera (for modifications and accessories see separate price schedule)	3,300.00
56	Acme Stop Motion Motor (variable speed)	975.00
57	Acme Synchronous Motor (variable speed)	550.00
58	Acme Stop Motion Motor (Single speed - 1/4 or 1/2 sec. exposure)	450.00
9	Lens and Calibrated Mount (for Reflex camera)	250.00
12	Acme Sliding Cel Board (with counter)	450.00
14	Acme Cel and Paper Punch	450.00
15	Acme Inking Board	12.00
16	Acme Peg Bar	6.50
17	Acme Sliding Animation Disk (single sliding bar)	60.00
18	Acme Right Angle Animation Disk	35.00
19	Acme Sliding Animation Disk (double sliding bars)	75.00
30	Acme Process Projector (head only)	3,500.00
31	Acme Lamphouse	750.00
35	Acme Background Projector (with lamphouse, stop-motion, lens, fire shutter, base and controls)	5,500.00
50	Acme Television Recording Camera (16 mm or 35 mm), <u>double system</u> , with lens, motors and one magazine	P.O.R.
51	Acme Television Recording Camera (16 mm or 35 mm), <u>single system</u> , with lens, motors and one magazine WITHOUT galvanometer	
101	Acme Animation Stand (complete with black and white or color camera, lights and lens - WITHOUT air compressor and voltage stabilizer)	P.O.R.
102	Acme Horizontal Title Stand (with stop-motion, lens, motor, lights and magazine)	P.O.R.
37	Acme Step Contact Printer (16 mm or 35 mm)	9,500.00
	Acme Field Charts, 12 Field	3.50



ACME CAMERA AND ACCESSORIES

Price List - 1 MAY 1965

(Prices are net FOB Burbank, California, and subject to change without notice)

	<u>Acme Item No.</u>	<u>Price</u>
35 mm. REFLEX CAMERA - with solid register pin, movement (Acme Item No. 1), manual dissolve and belt magazine drive, pins below aperture big pin in rear for Bell & Howell (negative) perforation, sound aperture (.868 x .631), sound track area in rear	6	\$ 2,900.00
35 mm. RACK-OVER CAMERA - with solid register pin, movement (acme Item No. 1), manual dissolve and belt magazine drive, pins below aperture, big pin in rear for Bell & Howell (negative) perforation, sound aperture (.868 x .631), sound track area in rear	6-B	3,300.00

ACCESSORIES AND VARIATIONS AVAILABLE
FOR ACME 35 mm. CAMERA

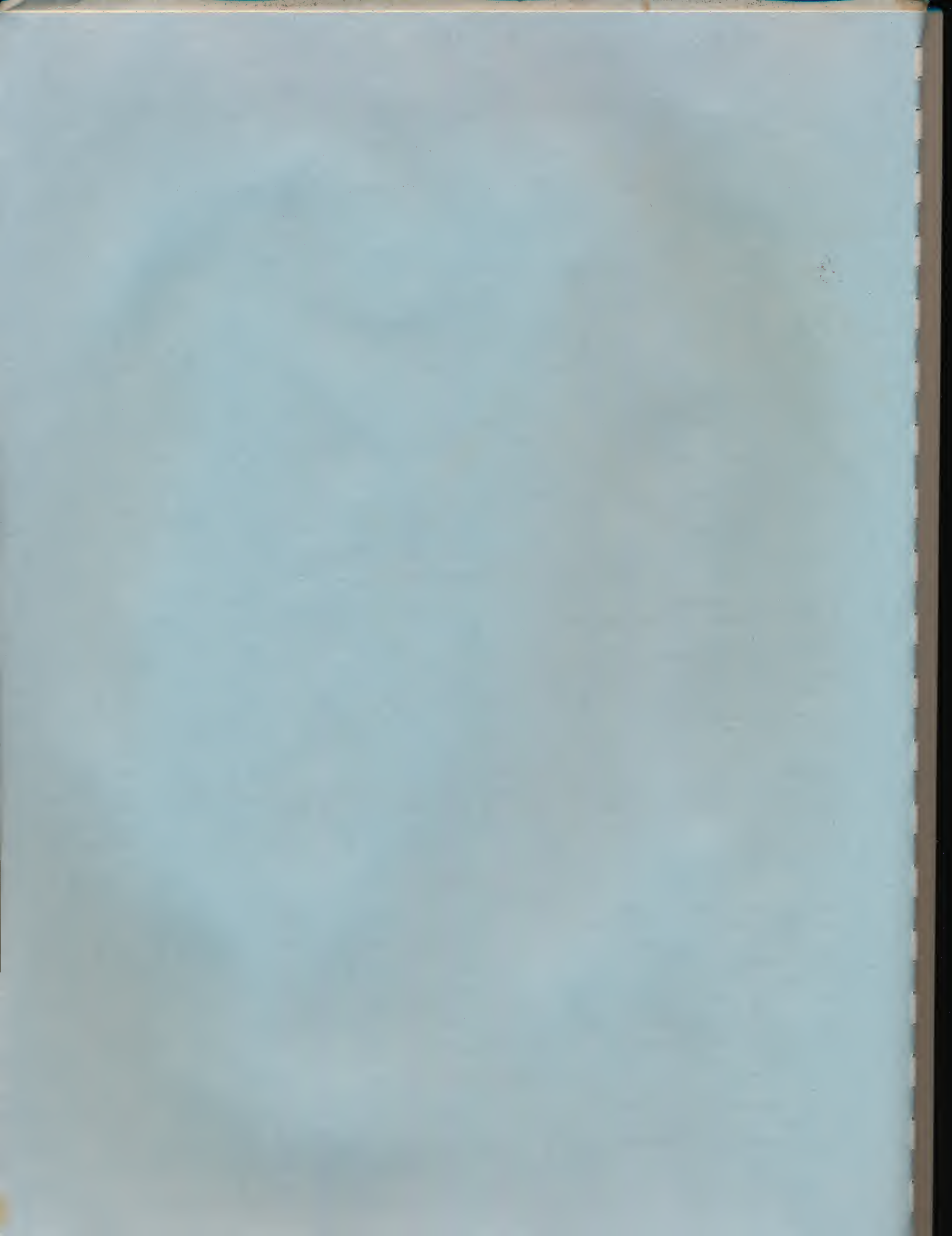
Pins above Aperture	50.00
Eastman Pins (positive perforation)	25.00
Dubray-Howell Pins	25.00
Aperture size other than .868 x .631	35.00
Reverse Sound Aperture (sound track in front)	35.00
Raised Buttons on Back Plate for Contact Printing	65.00
Removable Back Plate	40.00
Color Wheel	200.00
Foot and Frame Counter	125.00
Automatic Dissolve - 1, 2, 3, 4 and 8 foot	550.00
Automatic Magazine Take-up (in place of belt drive)(400 ft. or 1000 ft.)	100.00
Automatic Magazine Take-up (in place of belt drive)(1200 ft.)	300.00
Matte Dovetail in Movement	50.00
Blank Mattes	15.00

MAGAZINES

400 ft. Magazine for Belt Drive	520	150.00
1000 ft. Magazine for Belt Drive	521	225.00
400 ft. Bi-Pack Magazine for Belt Drive (Top & Bottom)	522	400.00
1200 ft. Magazine for Belt Drive	523	320.00
2000 ft. Magazine for Belt Drive	524	370.00
400 ft. Magazine for Automatic Take-Up	5201	190.00
1000 ft. Magazine for Automatic Take-Up	5211	265.00
1200 ft. Magazine for Automatic Take-Up	5231	360.00

CAMERA MOTORS

Single-speed Stop Motion Motor	58	450.00
Variable-speed Stop Motion Motor	56	975.00
Variable-speed Synchronous Motor	57	550.00



35 mm
ACME FILM MOVEMENT

Price List-1 May 1965

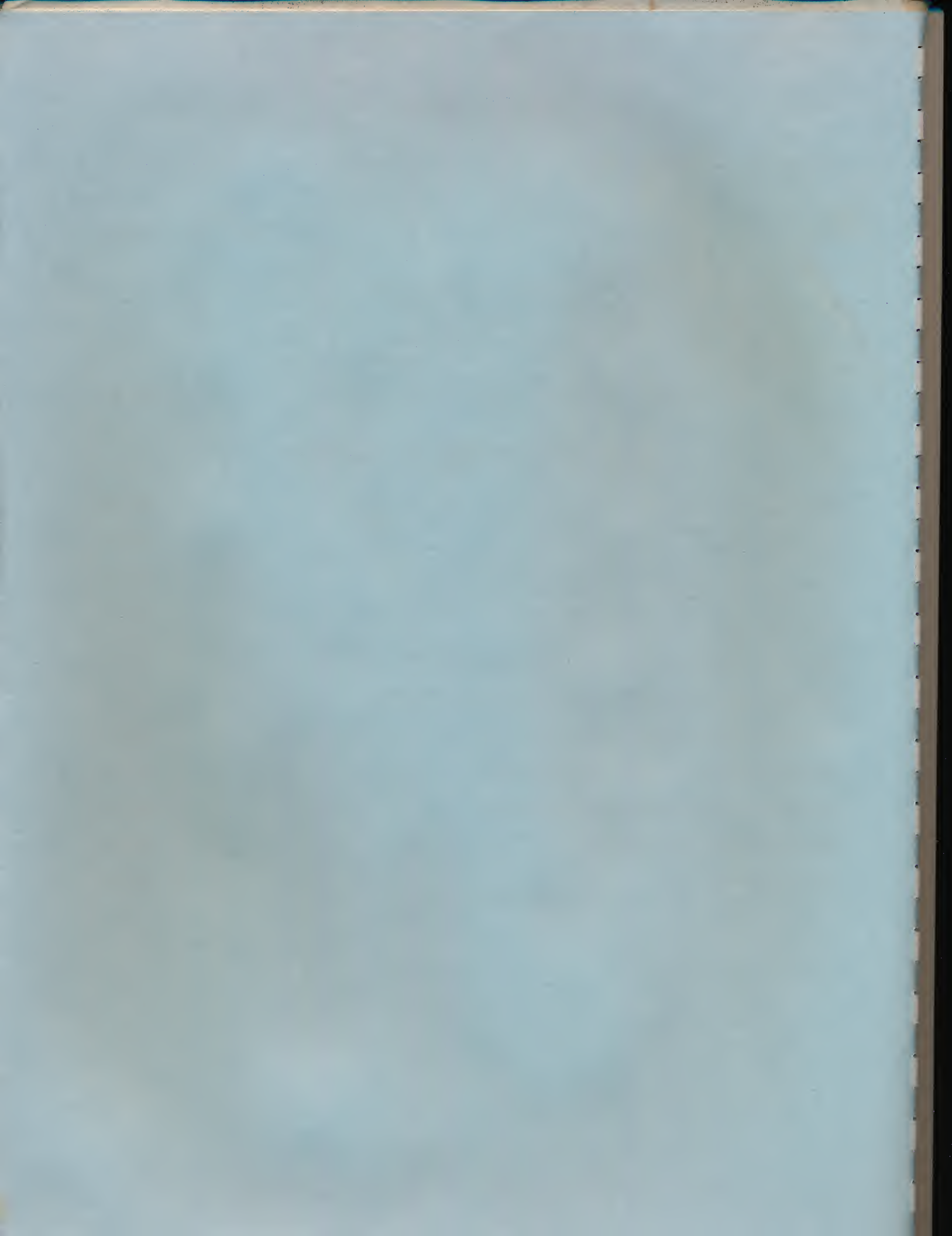
(Prices are net FOB Burbank, California, and subject to change without notice)

	<u>Acme</u> <u>Item No.</u>	<u>Price</u>
35 mm. FILM MOVEMENT - Equipped with spring-loaded pressure plate and constructed to take one or two films without adjusting cam. Stainless steel, hard chrome pressure plate. Pins below aperture, big pin in rear for Bell & Howell (negative) perforation, sound aperture (.868 x .631), sound track area in rear	1	\$ 650.00

EXTRA CHARGES FOR ALTERATIONS

Pins above Aperture	50.00
Eastman Pins	25.00
Dubray-Howell Pins	25.00
Aperture size other than .868 x .631	35.00
Reverse Sound Aperture (sound track in front)	35.00
Raised Buttons on Back Plate for Contact Printing	65.00
Removable Back Plate	40.00
Numbering Slot on <u>Back</u> of Movement	75.00
Numbering Slot on <u>Front</u> of Movement	190.00
Matte Dovetail in Movement	50.00
Blank Mattes	15.00

=====



16 mm

ACME CAMERAS AND ACCESSORIES

Price List - 1 MAY 1965

(Prices are net FOB Burbank, California, and subject to change without notice)

	<u>Acme Item No.</u>	<u>Price</u>
16 mm. REFLEX CAMERA - with solid register pin, movement (Acme Item No. 3), manual dissolve and belt magazine drive, pins below aperture, big pin in rear for double perforations	6-16	\$ 3,000.00
16 mm. RACK-OVER CAMERA - with solid register pin, movement (Acme Item No. 3), manual dissolve and belt magazine drive, pins below aperture, big pin in rear for double perforations	6B-16	3,400.00

ACCESSORIES AND VARIATIONS AVAILABLE
FOR ACME 16 mm. CAMERA

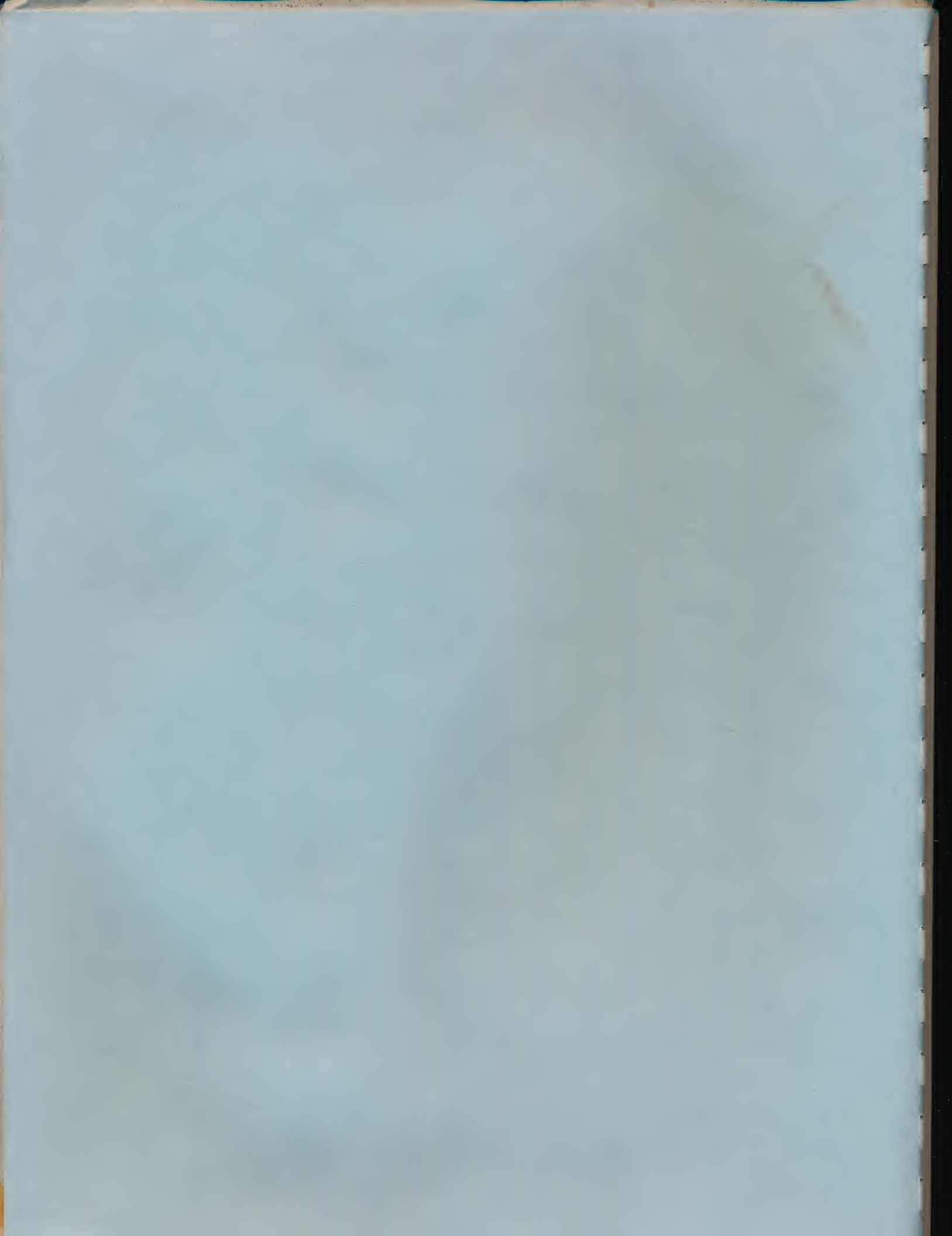
Two pins in <u>rear</u> and sprockets machined for single perforation	25.00
Two pins in <u>front</u> and sprockets machined for single perforation	25.00
Frame Counter	125.00
Automatic Dissolve - 16, 32, 48, 64, 96, 128 - Frames	550.00
Automatic Magazine Take-up (in place of belt drive) (400')	100.00

MAGAZINES

400 ft. Magazine for Belt Drive	520	135.00
1200 ft. Magazine for Belt Drive	521	225.00
400 ft. Magazine for Automatic Take-up	5201	175.00

CAMERA MOTORS

Single-speed Stop Motion Motor	58	450.00
Variable-speed Stop Motion Motor	56	975.00
Variable-speed Synchronous Motor	57	550.00



ACME 35 MM MOVEMENT

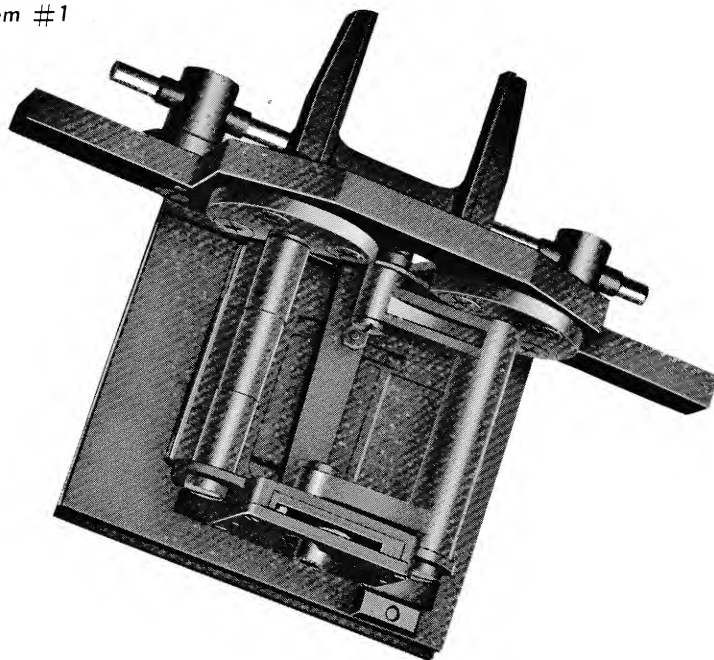
Item #1

This film movement is equipped with spring loaded pressure plate and constructed so as to take 1, 2, or 3 films without adjusting the cam. Pressure plate is made of stainless steel and then hard chrome plated, to protect against corrosion and assure a scratch-free surface.

All registration points are lapped to within .0001 of an inch.

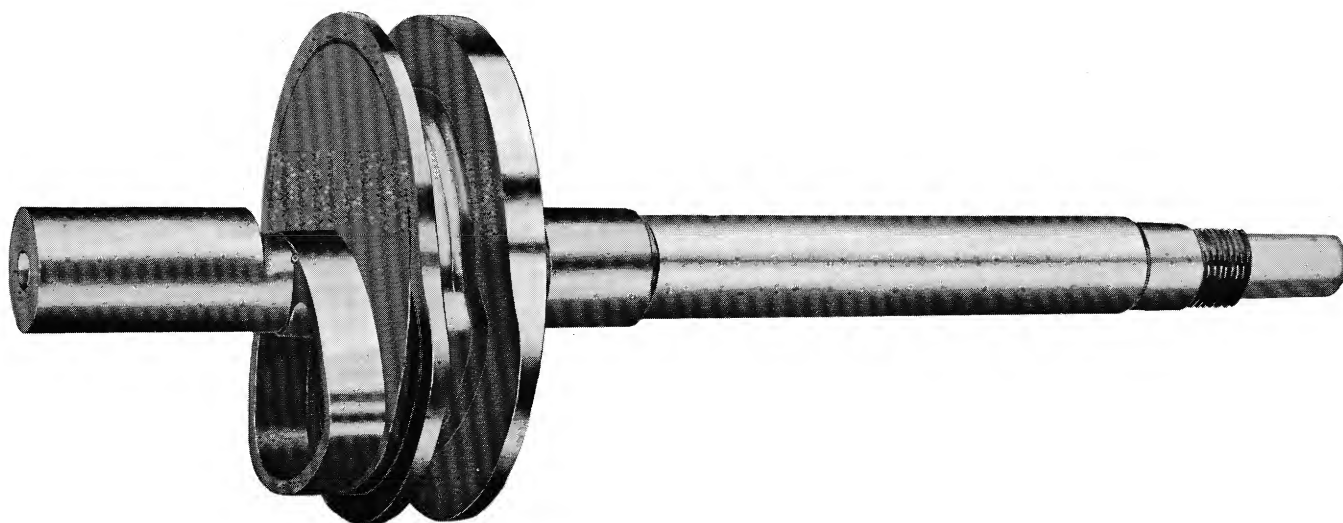
All Acme movements are made from master jigs and tested in master gauges to assure interchangeability with any Acme equipment. It is possible to expose one film in a camera three times, using a different movement each time and still hold perfect registration.

When ordering please specify position of pins, Bell & Howell (above aperture), or Mitchell (below aperture); whether camera or projector; and size of aperture, full (.980 x .720) or sound (.868 x .631).



35MM CAM FOR ABOVE EQUIPMENT

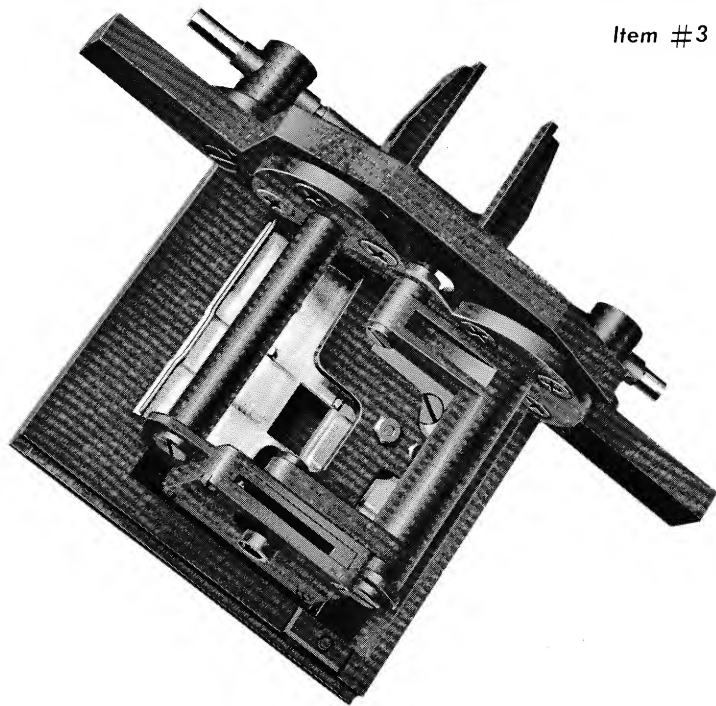
Item #2



These cams are made of special strain-relieved alloy steel to withstand continuous duty.

ACME 16 MM MOVEMENT

Item #3



Precision 16mm movement for 16mm Acme camera, background projector or printer head. Outstanding feature of this movement is that it has two positive registration pins at the aperture, one full fitting in both directions and the other full fitting up and down.

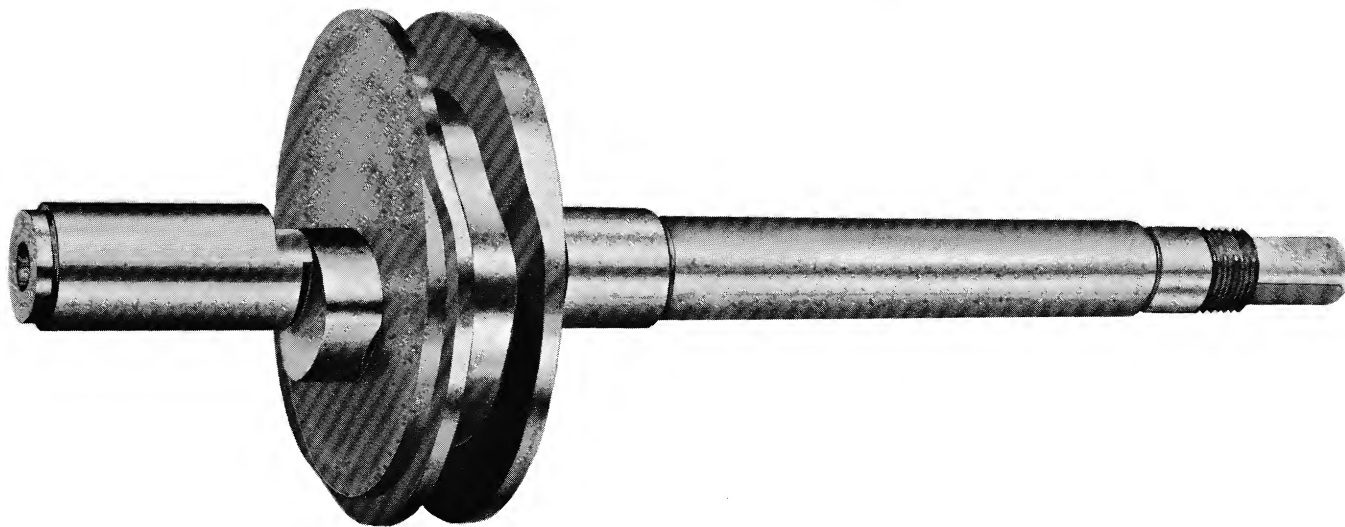
All registration points are lapped to within .0001 of an inch.

The pressure plate is spring loaded to take 1, 2, or 3 films without adjusting the cam.

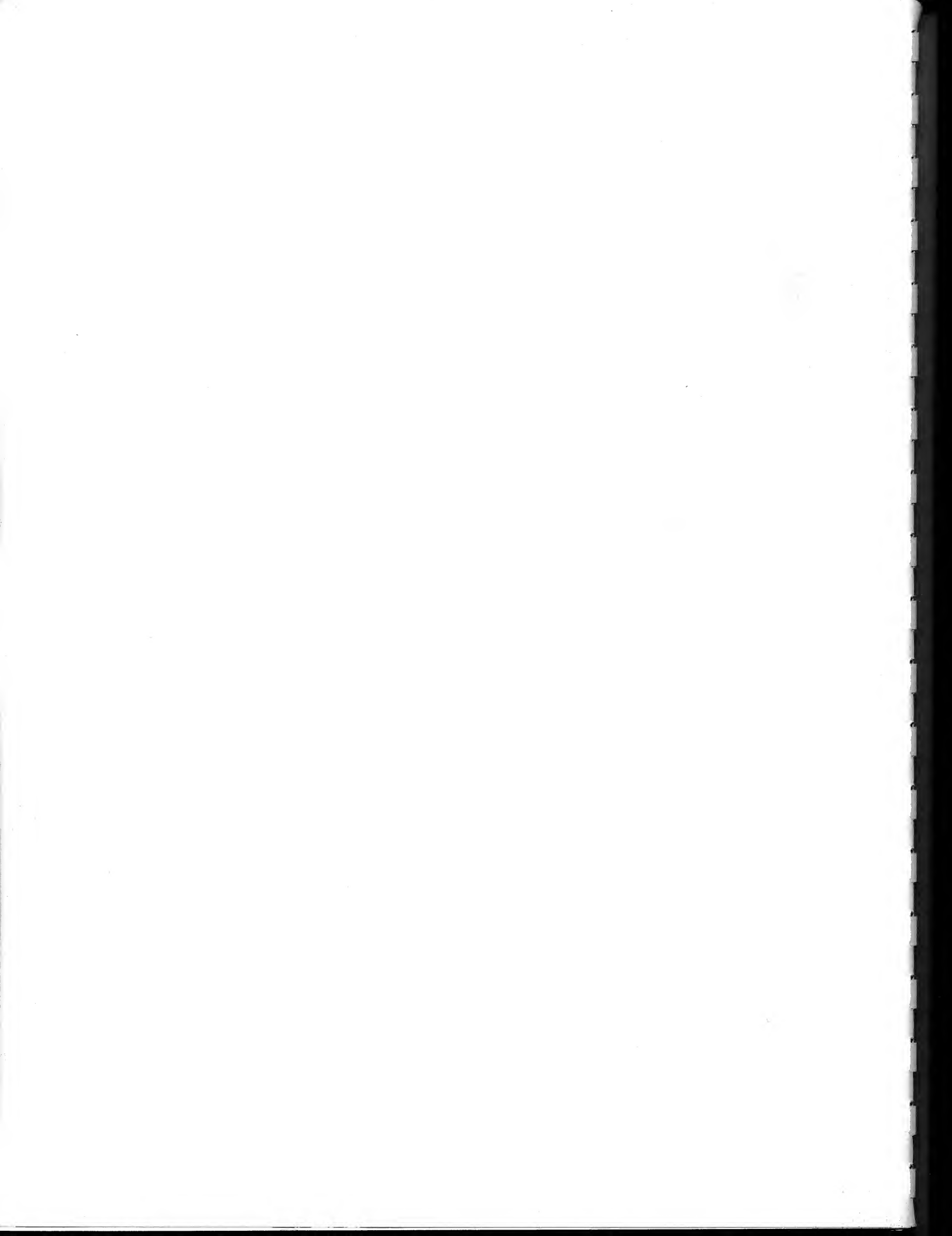
When ordering please specify if movement is to be used for camera or projector and if movement is to be used on single or double perforation.

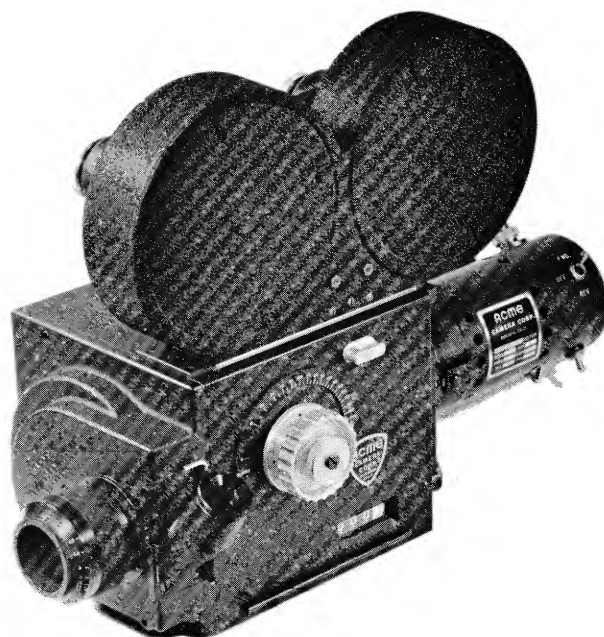
16MM CAM FOR ABOVE EQUIPMENT

Item #4



These cams are made of special strain relieved alloy steel to withstand continuous duty.





ACME 35MM OR 16MM PROCESS CAMERA

Item #6

MOVEMENT: The film movement is equipped with spring loaded pressure plates and constructed so as to take 1, 2, or 3 films without adjusting the cam. Pressure plate is made of stainless steel and then hard chrome plated, to protect against corrosion and assure a scratch free surface. All registration points are lapped to within .0001 of an inch. All Acme movements are made from master jigs and tested in master gauges to assure interchangeability with any Acme equipment. It is possible to expose one film in a camera three times, using a different movement each time and still hold perfect registration. When ordering, please specify position of pins, Bell & Howell (above aperture), or Mitchell (below aperture); and size of aperture, full (.980 x .720) or sound (.868 x .631).

VIEWER: The viewer is positive reflex thus eliminating the necessity of racking over. The viewer has two register pins located in the same position in relation to the aperture as the movement, thus making it possible to view a composite or matte shot by inserting a piece of positive film in the viewer and lining up with the objective scene. It is also possible to reverse the procedure by projecting light through the positive in the viewer and projecting the image to paint mattes. There is a safety switch on the viewer so that the motor will not run while the reflex mirror is in the viewing position.

ANTI-BUCKLE SWITCH: If for any reason the film does not take up, there is an automatic switch built into the camera that stops the motor. This switch works either forward or reverse.

MANUAL DISSOLVE: The camera has a full 170° dissolving shutter and is controlled from a large knob on the door.

AUTOMATIC DISSOLVE: Dissolves in or out in 1, 2, 3, 4, 6 and 8 foot lengths.

COUNTER: The camera has a forward and reverse reset foot and frame counter.

MAGAZINE DRIVES: There are no pulleys or belts within the camera. The entire drive is gear driven with over-riding clutches on both sides of the magazine, so that the film is automatically taken up when the camera is running in either direction. Camera is machined to take Mitchell N.C. Magazines.





ACME STOP MOTION MOTOR

Item #56

This motor runs forward, reverse, stop motion or continuous. The stop motion is actuated by a remote portable switch. There is a selector switch to select 1 or 3 revolutions each time the switch is pressed. One revolution is used on black and white and 3 revolutions are used on 3 color successive frame photography. There is a built-in precision transmission to deliver the following exposures:

1/4 second (120 RPM), 1/2 second (60 RPM), 1 second (30 RPM), 2 second (15 RPM), 4 second (7 1/2 RPM).

There is also a 1/16 second exposure (400 RPM). This does not operate on stop motion and is used for rewind and title work. To change speeds you merely turn a dial to the desired speed. The motor delivers full power at all speeds. It is furnished with an adaptor to fit either Bell & Howell, Mitchell, or Acme Cameras, and operates on 110 volt AC. Please specify cycle and type camera to be used on, when ordering.



ACME VARIABLE SPEED SYNCHRONOUS MOTOR

Item #57

This is a 1/15 H.P., 110 volt AC synchronous motor with a precision transmission built in. By merely turning a convenient dial the following speeds can be obtained: 24 FPS (1440 RPM), 16 FPS (960 RPM), 12 FPS (720 RPM), 6 FPS (360 RPM), 3 FPS (180 RPM), 1 1/2 FPS (90 RPM).

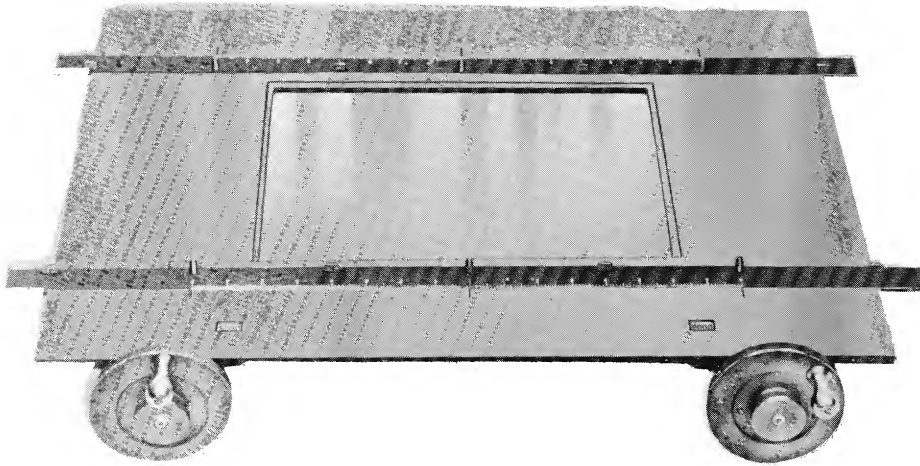
Full power is delivered at all speeds.

It is furnished with an adaptor to fit either Bell & Howell, Mitchell, or Acme Cameras. Please specify cycle and type camera to be used on, when ordering.



ACME SLIDING CELL BOARD WITH COUNTER

Item #12



Sliding cell board graduated in 20th of an inch with counters reading in 100ths. Used to check animation and registration.

Back-lash compensator to compensate for locating #500 on zero in either direction.

ACME SLIDING ANIMATION BOARD WITH DOUBLE BAR

Item #19

Acme Sliding Animation Board with Double Bar has pegs above and below the field in sliding bars. Glass inset in working area. Board machined to nest in hole in table for rotation.

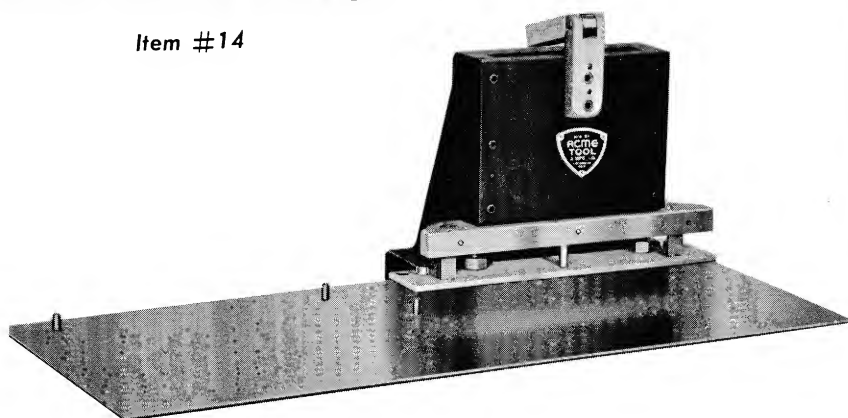




ACME HARDENED TOOL STEEL CELL AND PAPER PUNCH

Item #14

Punches one .250 round hole on center and one .125 x .500 hole 4" either side of center. Has locating pegs for punching long cells. Will punch paper, celluloid and thin metal operated by foot pedal.



ACME INKING BOARD

Item #15



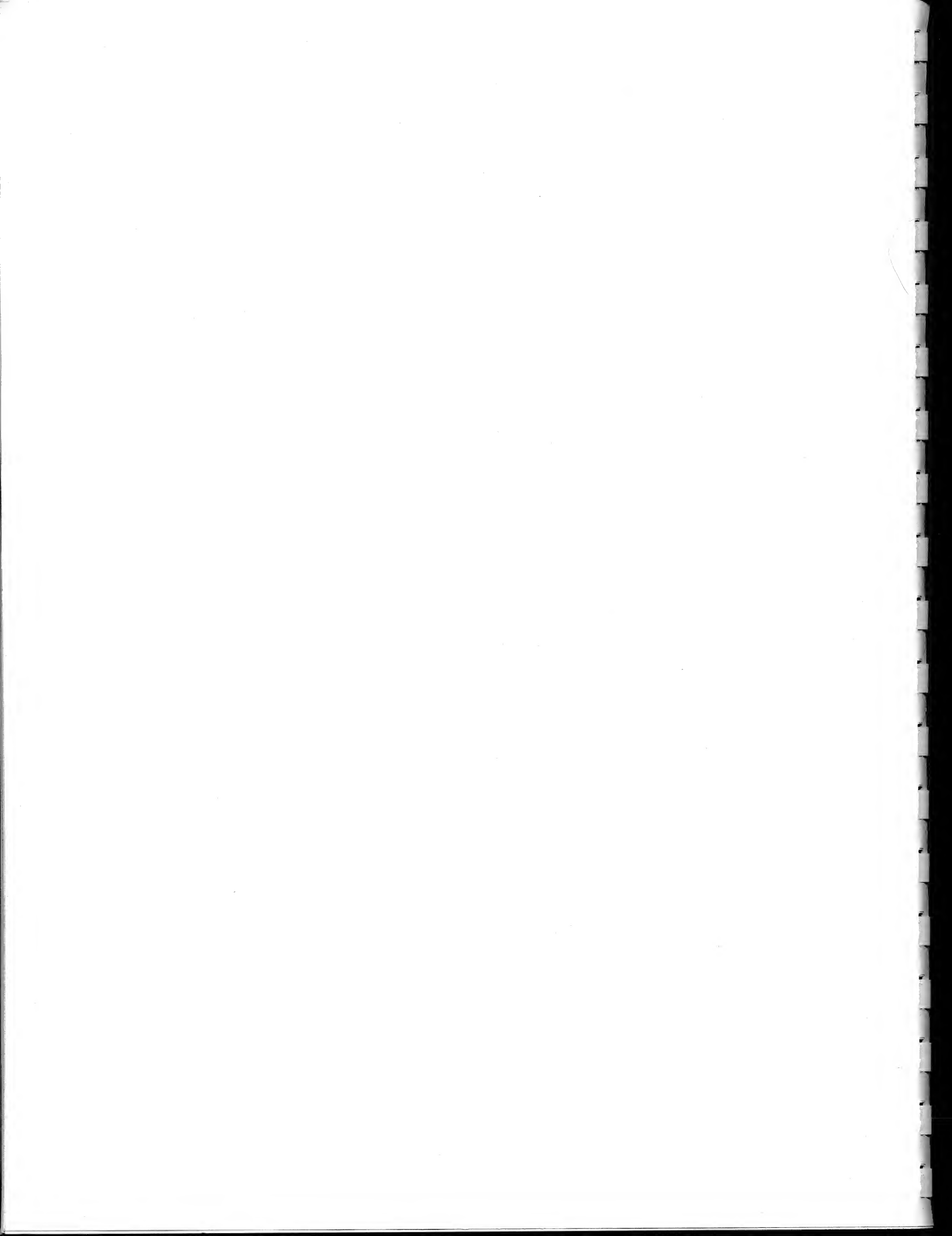
Metal inking board with top and bottom pegs spaced 10½" apart. Distance from center to outer peg 4". Accuracy of pegs are located within .001 part of an inch.

ACME PEG BARS

Item #16

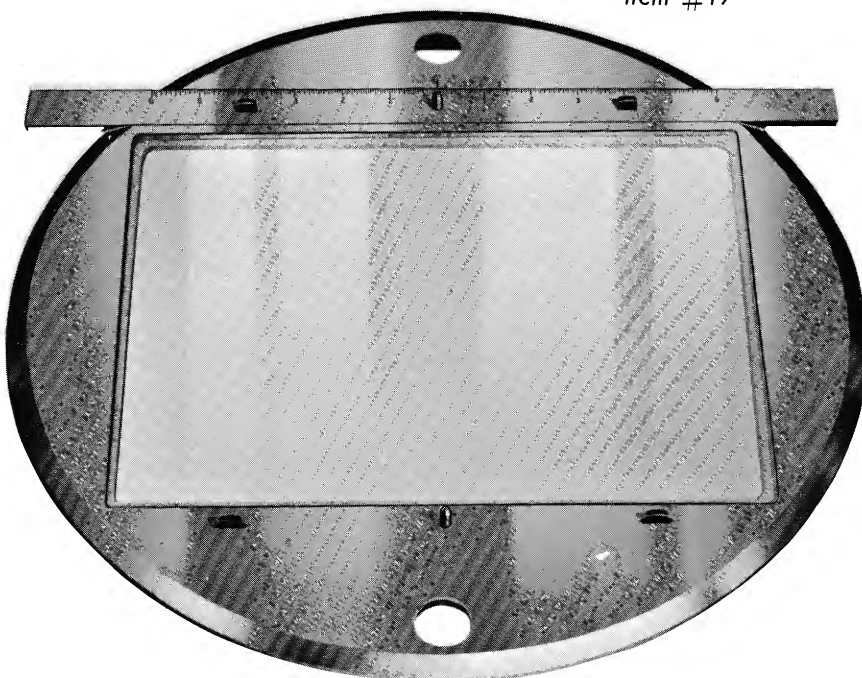


The Acme Peg Bar consists of a tool steel center registration ¼ diameter and two ⅛ x ⅜ rectangular registration pegs 4" either side of center, mounted on a dural plate ⅛" x ¾" x 10" with countersunk screw holes for mounting on wooden table or boards.



ACME SLIDING ANIMATION BOARD

Item #17



Top pegs are mounted on slide graduated in 20ths of inch. Bottom pegs are stationary. Board is recessed on back side to rotate on wooden table.

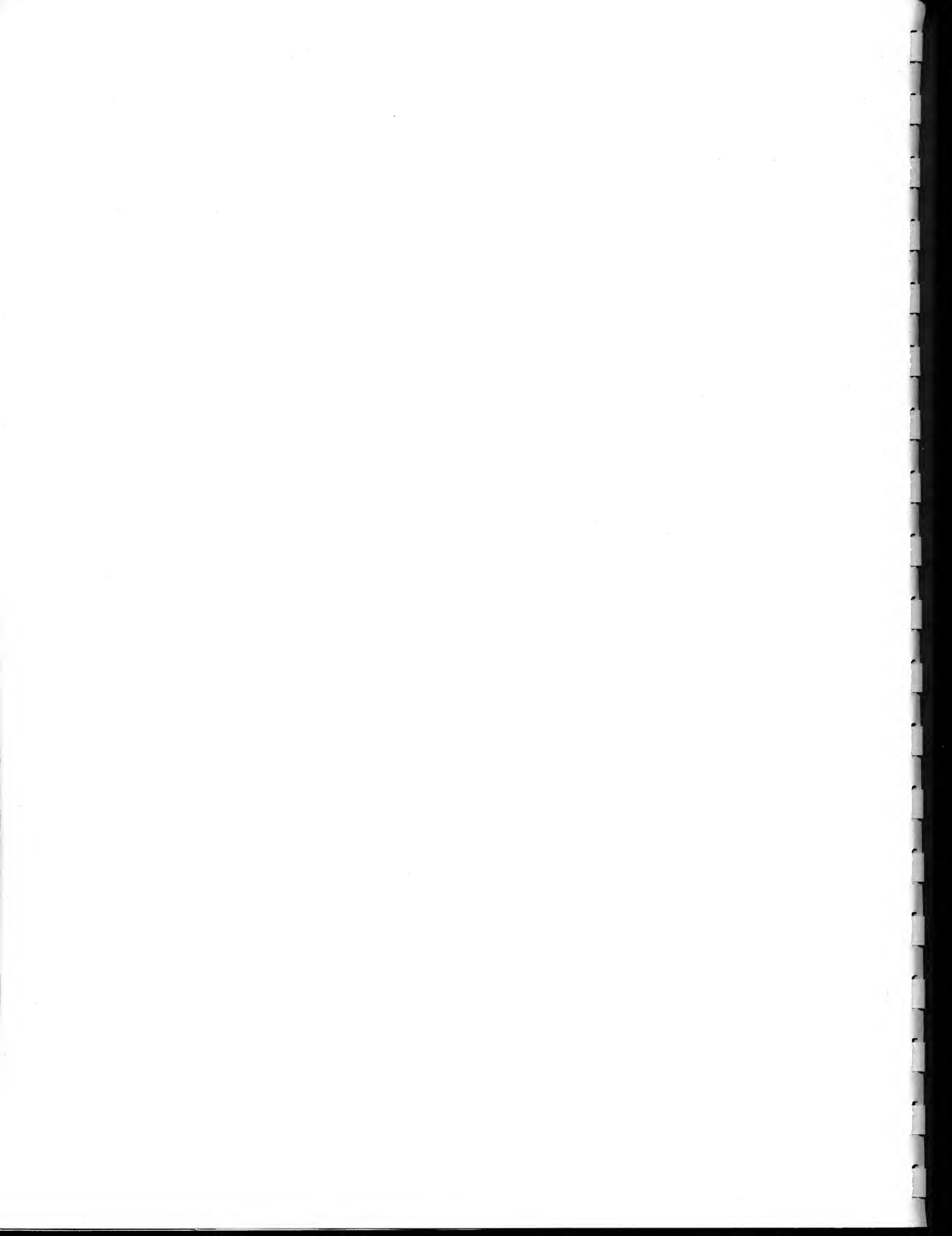
ACME RIGHT ANGLE ANIMATION BOARD

Item #18



A regular Animation Board with right angle guides to permit the use of triangles for graphic animation, thus eliminating the need for a T-square. Right angle guides may be removed, and board thus becomes a regular animation board.

Board is recessed on back side to rotate on wooden table.



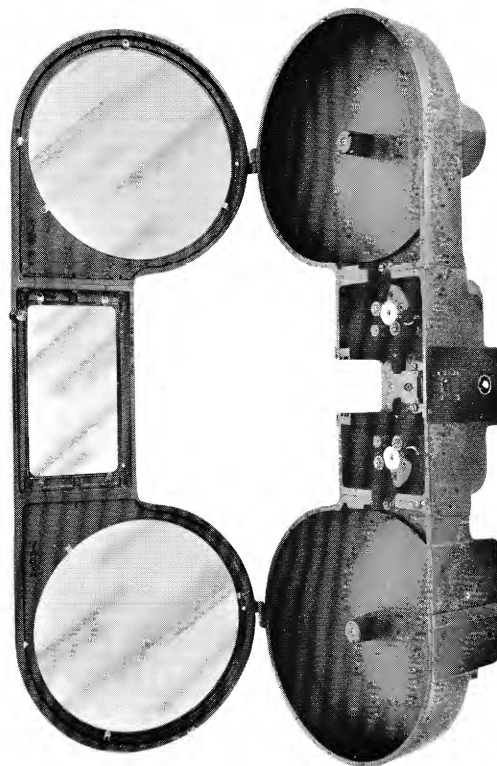
ACME PROCESS PROJECTOR HEAD

Item #30

This projector head was designed for use where extreme accuracy of registration is necessary, such as projection printing, stop motion background projection, and live action background projection.

The movement is the positive registration type Acme movement. These movements are so constructed to take 1, 2, or 3 films without adjusting the cam or pressure plate and still maintain equal pressure at all times.

The magazine will hold either one 1000 foot or two 200 foot rolls of film. There is an internal gear-driven magazine take up with automatic clutching to work either forward or reverse. The two 200 foot take ups are individually clutched so that the film is under equal tension and will not unroll even if the positive roll and mask roll are of different diameters. The projector head and magazines have glass doors to protect the film. These heads can be furnished in either 16mm or 35mm.



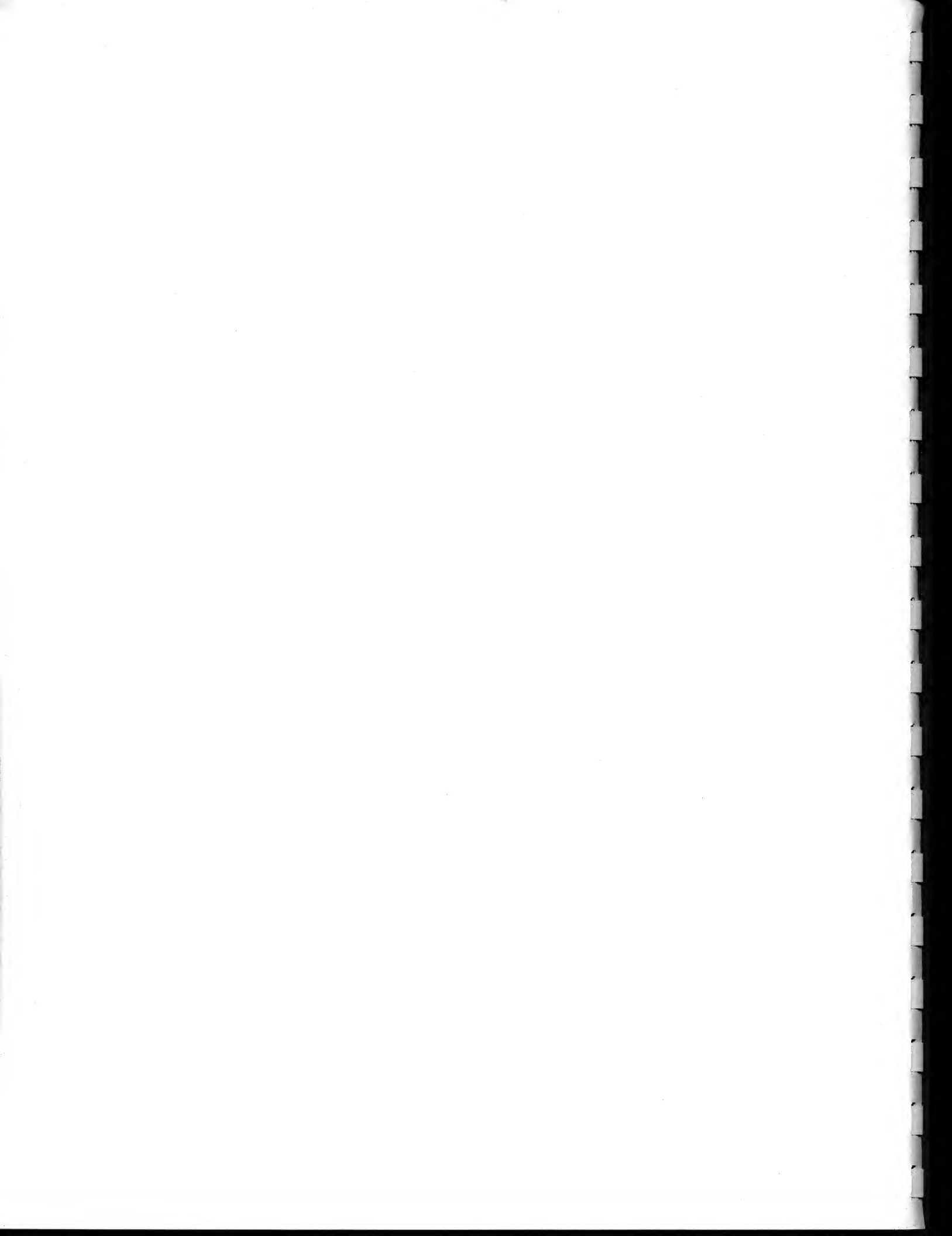
ACME PRINTER LAMP HOUSE

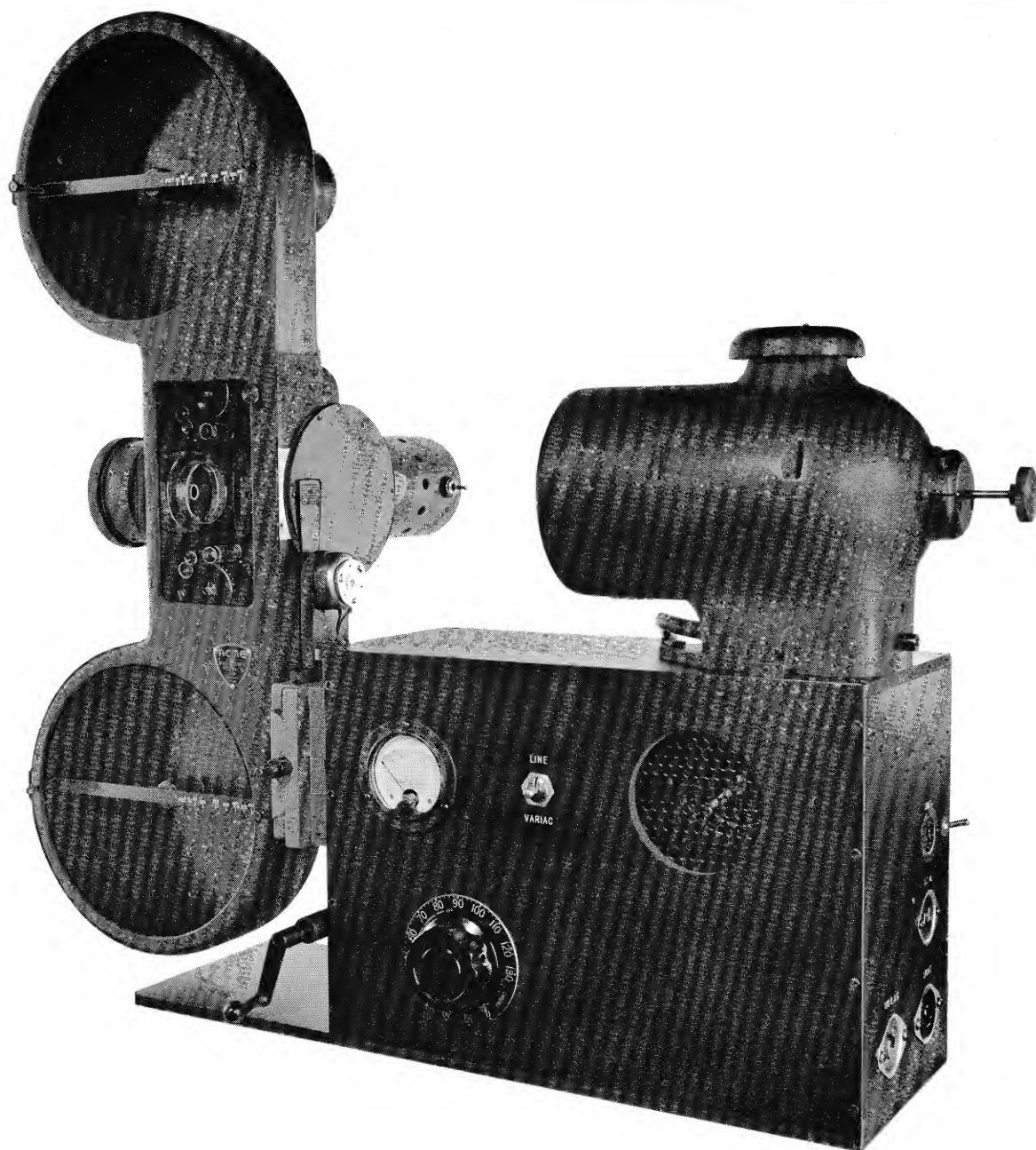
Item #31

This lamp was especially designed for color printing. The condensers are of a special design to project an oval spot rather than round, thus utilizing more of the available light to fill the rectangular aperture. Both lamp and spherical mirror are adjustable to assure utmost efficiency in positioning the focal plane of the filament and its reflection. There is a heat absorbing filter before the first condenser. The lamp has a built-in blower wired, in parallel to the bulb. The lamp takes standard pre-focus T-10 or T-12, C13D bulbs of the following wattage: 400, 500, 750, 1000 watts.

Below is the data on a standard 400 watt bulb.

Volts AC	Kelvin	Temperature Rise		Foot Candles At Aperture
		Fahrenheit		
110	3335	14°		20,000
100	3200	11°		14,000
90	2925	9°		10,000





ACME MATTE SHOT PROJECTOR

Item #35

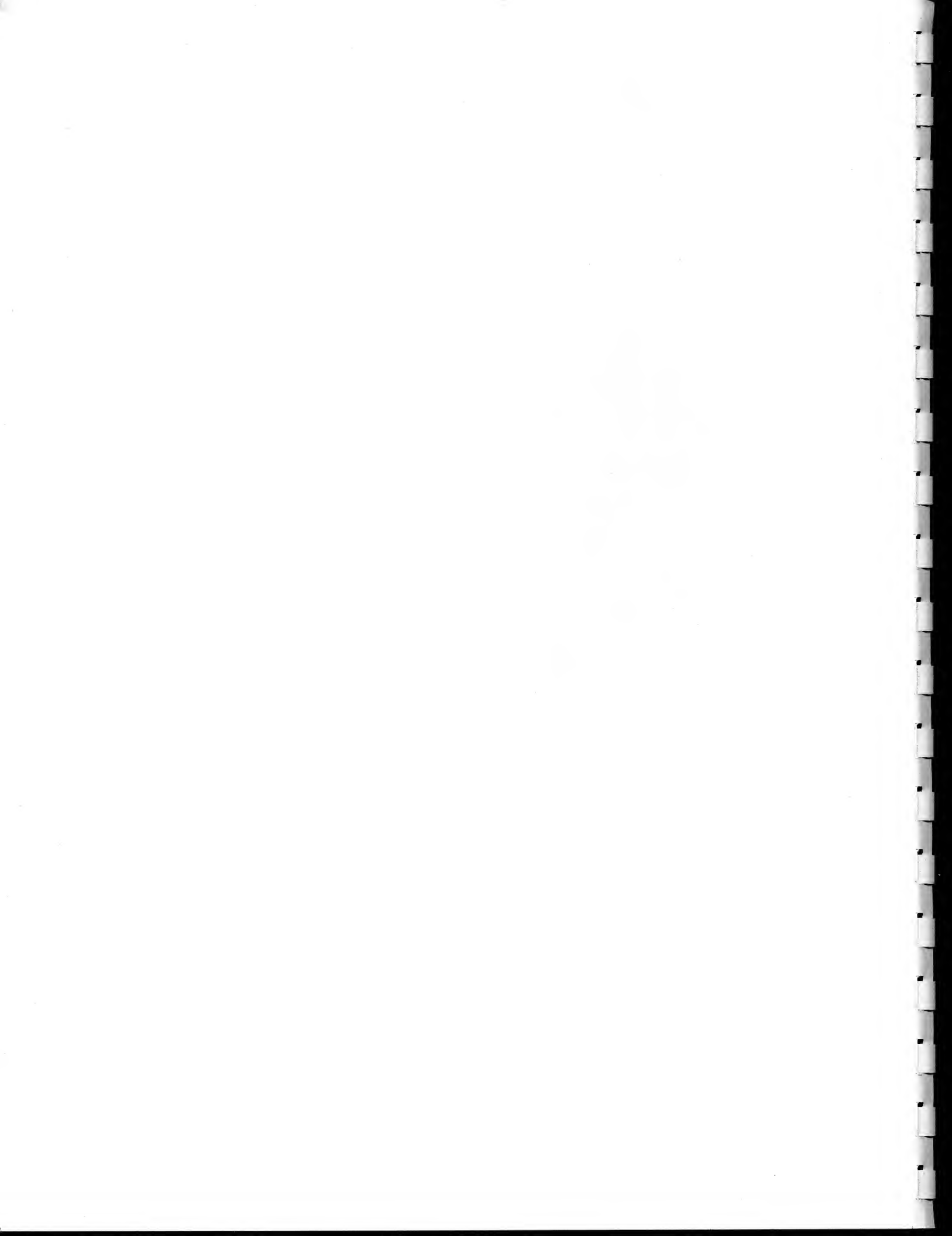
This projector was especially designed for rear projection of live action into a painted scene, glass shot work and front mattes of any type. The projector head is the standard Acme process head with magazine capacity of one 1000 foot or two 200 foot rolls. There is a 170 degree enclosed rotating shutter and a second solenoid controlled fire shutter. This shutter is open only when the shutter in the camera is open. Thus protecting the film from the heat of the lamp. In the closed position the shutter transmits 5% light allowing for focusing and painting.

The projector has a micrometer adjustment horizontally or vertically to allow for film alignment and shrinkage.

The lens is a 5 inch coated f/2 flat field lens and focuses without revolving.

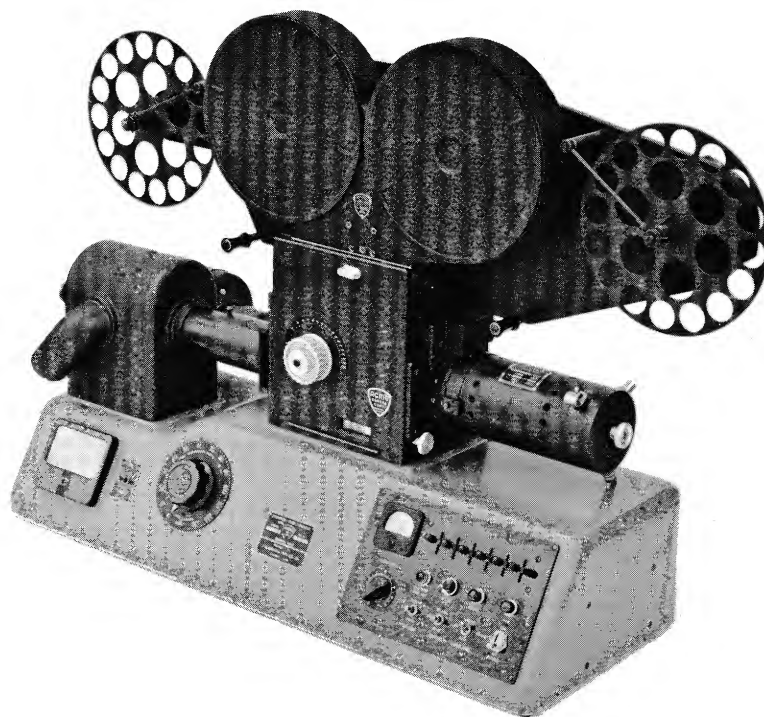
The lamp has a volt meter and variable transformer to control the light.

The stop motion drive can be wired in phase, or 180 degrees out of phase with the camera stop motion.



ACME STEP CONTACT PRINTER

Item #37



THE ACME CONTACT PRINTER is a daylight operating machine that functions on the proven step printing principle. The method of printing, with two films held in contact and perfect registration during the exposure, is exceptionally advantageous for printing dupe negatives, color separations, background plates, master positives, etc. The 35 m/m model printer is illustrated; however, a 16 m/m model is also available.

THE FILM MOVEMENT incorporated in the printer is an Acme film movement with fixed registration pins. Standards of accuracy for manufacturing these movements are such that all Acme movements are completely interchangeable. The size and placement of the register pins are machined to an accuracy of .0001 of an inch and the resulting accuracy of film registration is consistent regardless of the direction of film travel. A single piece of film may be operated through the film movement a multitude of times and yet maintain perfect registration. The pressure and stripper plates of the movement automatically adjust for 1, 2 or 3 films without the necessity of adjusting the camera cam. Raised buttons, located on the pressure plate, place the necessary bow in the film to assure perfect physical contact of the two films during the exposure cycle.

THE OPTICAL SYSTEM is designed to achieve a variable balance between spectral and diffuse light and provides a flat, even field of illumination at the aperture. The mounts for the lamp and reflector are fully adjustable and filter slots have been provided on the camera housing.

THE CAMERA ASSEMBLY is equipped with both a manually variable and automatic dissolve shutter. The dissolve or fade lengths available are 16-32-48-64-96 and 128 frames. Other features include the facility for printing edge numbers on either side of the film, buckle switch, a re-settable foot and frame counter, light trap rollers in removable carriers and film notch switches for the actuation of automatic light and shutter controlling devices. The printer is equipped with an Acme variable speed synchronous motor that produces synchronous speeds of 1½, 3, 6, 12, 16 and 24 frames per second. The speeds are selected by rotating the knurled ring to the desired speed. Since the motor incorporates a gear transmission and friction slippage devices have been eliminated, exact synchronous speeds are maintained.

MANUAL OPERATION provisions include a variac and voltmeter for lamp intensity control and switches for the automatic dissolve mechanism. The knob and scale on the camera door indicates the shutter opening and may also be used for fully manual operation of the dissolve shutter.

AUTOMATIC OPERATION of changes in the printer lamp intensity may originate in any conventional remote drop panel or punched tape control system. The latter system may also provide direction and length signals to the circuit of the automatic dissolve shutter. In either application, the function involved is fully automatic after the printer has been started.

FILM TAKEUP is provided by individual torque motors for both negative and raw stock. On the spindles for the supply rolls, manually adjustable disc type friction clutches provide correct takeoff tension.

SUPPLY VOLTAGE is split 220 volt, 60 Cycle, single phase, with one side of the supply used for lamp only and the other side used for the remainder of the power requirements.

ACME TELEVISION RECORDING CAMERA

16mm or 35mm

Item #50

The Acme Television Recording Camera is specifically designed to photograph the image received on a television cathode-ray monitor tube.

FILM MOVEMENT: The film is pulled down in $52\frac{1}{2}^\circ$. In view of this highly accelerated film motion and since the camera must operate for long periods of time with little opportunity for maintenance, the camera and movement are of extremely durable construction. The pulldown arm has two claw pins. There are two register pins, in horizontal alignment. These remain stationary throughout the exposure. One register pin is full-fitting in the film perforation and the other is full-fitting vertically and under-size horizontally, which compensates for film shrinkage without sacrificing accuracy of registration.

An intermittent pressure pad acts simultaneously with the register pins and holds the film under positive pressure at the aperture during the entire exposure. To eliminate the possibility of emulsion pile-up and consequent scratches, no pressure is applied to the film during the pull-down cycle. For extra protection against scratching, all steel surfaces which contact the film are hard-chrome plated and highly polished.

SHUTTER: The shutter is individually driven by a separate synchronous motor and precision gearing mechanism which maintains a constant angular rotation in relation to the cycle of the input power supply regardless of intermittent changes of load in the film movement. This motor and the main camera drive motor are kept in phase during starting and stopping by a floating coupling device which physically disconnects during the recording operation.

Since image to object distance, Relative F: opening, and film types are factors determining the precise angular shutter size, the camera is furnished with a shutter opening of 287° which must be trimmed experimentally under typical operating conditions. When changing emulsion batch numbers, however, the shutter size almost invariably requires some alteration again to attain an invisible splice. To simplify this: The Acme Television Recording Camera is equipped with a unique shutter adjusting feature which provides externally located means by which the lateral position of the shutter may be altered. The device does not change the exposure time or angular shutter size. It does, however, regulate the amount of intermittently exposed area and, consequently, due to the optical, mechanical, and film inter-relationship, affects the nature of the "picture-splice."

LENS: To facilitate extremely accurate focus adjustments, the lens mount is calibrated in increments of .0005 of an inch. When optimum focus is attained, the lens may be secured in position with the "lock screw" to prevent accidental disalignment.

VIEWER: For accurate alignment of the camera and television monitor tube, a prism viewer is furnished. Its aperture corresponds exactly in size and location with that of the movement.

TAKE-UP: Consistent film take-up is provided with the automatic magazine drive unit.

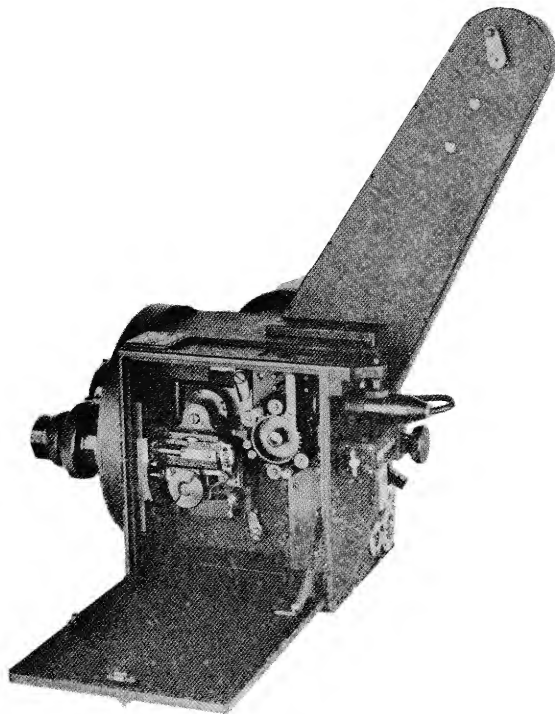
BUCKLE-SWITCH: The buckle-trip-arm is dual acting and is located at both the take-up and take-off sides of the film magazine. In the event of either take-up failure or excessive film spillage, the buckle-switch automatically stops the camera.

A "break switch," which stops the camera if film breakage occurs, and a "movement lock switch," that assures the movement gate is closed and locked properly in place before the camera may be operated, are additional safety devices.

MAGAZINE: The magazine is of sufficient capacity to record a complete one-half hour program without the necessity of reloading the camera (16mm or 35mm).

Other features include: A sync light to provide registration with a sound recorder; a resettable footage counter; and a motor phasing device for selecting the location of the "picture-splice."

Complete technical information will be furnished on request.



ACME ANIMATION STAND

Item #101

The Camera is designed to photograph black and white or 3 color successive frame and the change can be made from black and white to color by merely shifting a lever. The Camera is a reflex type with positive registration pins on the viewer, thus making it possible to insert a piece of film in the viewer and view through the film onto the animated subject, assuring line-up for future printing operations. A light can also be projected through the film on the registration pins in the viewer for matte shots.

The movement in the Camera is the positive registration pin type and is spring loaded, automatically adjusting the pressure for 1, 2, or 3 films.

It has a full automatic dissolving shutter from 0 degrees to 170 degrees, dissolving in or out in 1, 2, 3, 4 or 8 feet. The Camera motor will expose one or three frames with one trip of the foot pedal. Camera exposures are $\frac{1}{4}$, $\frac{1}{2}$, 1, 2, and 4 seconds, and 400 RPM continuous for rewind and title work.

There is an automatic take-up on the camera to drive the magazine so that in making a dissolve or running it backwards, the film will automatically be taken up in either direction. The Camera rotates 360 degrees.

The Animation Stand can be supplied with either 16mm or 35mm Camera or both. The change from 16mm to 35mm can be made in a few minutes.

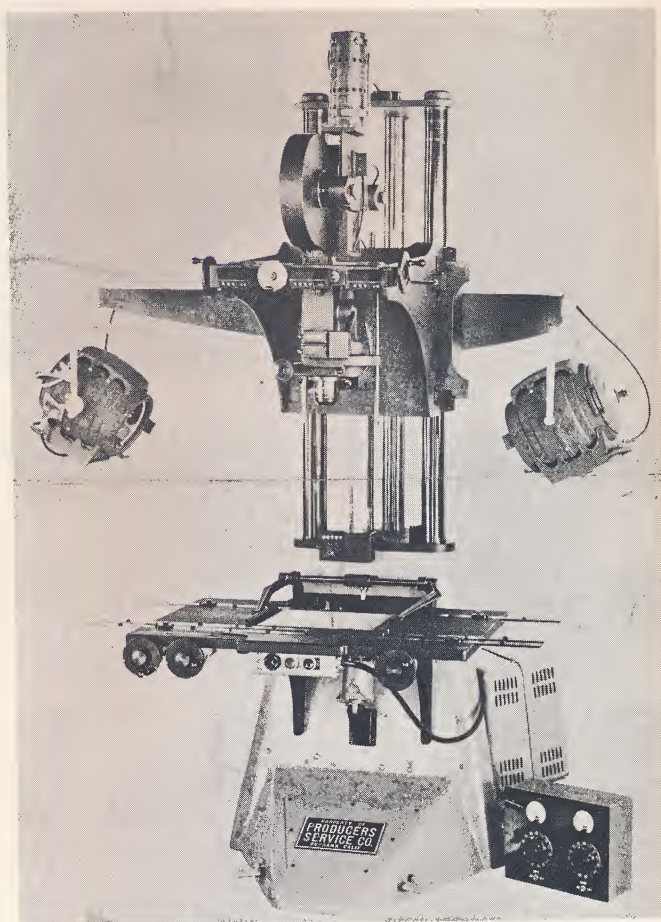
The Camera has an electrical infinite variable speed zoom, ranging from 4 to 12 inches in width of field, and calibrated in field widths; so one can tell at any point how wide a field is being photographed. The lens is automatically adjusted for focus throughout the zoom.

The Camera can be moved 6 inches north and south, and 9 inches east and west, and its position read on a counter in hundredths of an inch; so as to locate the center of the lens in regard to the objective, thus making it possible to follow any curve, line, or spiral, which one might desire to track.

There are 2 calibrated east-west pan movements and two hinged sets of pegs, making it possible to get the illusion of depth. There is registration for a 14 inch vertical pan. The east-west pan movements have counters and can be read in hundredths of an inch.

The platen operates on forty pounds air pressure by means of a foot pedal, and has shock absorbers on the end of the up and down stroke. Every move on the stand is equipped with a counter so that any position can be relocated. There is a removable drawer of background lights for photographing transparencies, controlled by a variable transformer.

The top lights have individual volt meters and variable transformers for each light.





ACME 35MM HORIZONTAL TITLE STAND

Item #102

MOVEMENT: The film movement is the solid registration pin type, wherein the film is set on a stationary pin. The pressure plates are made of stainless steel and then hard chrome plated to protect against corrosion and assure a scratch-free surface. All registration points are lapped to within one ten-thousandth of an inch. Upon final assembly, the movements are all checked in master gauges to assure absolute interchangeability and to check the registration points to within one ten-thousandth of an inch.

CAMERA: The camera has a 170° dissolving shutter, an automatic take-up, and an anti-buckle switch that operates forward or reverse. The camera has a reflex viewer with registration pins to coincide with the registration pins in the movement. Film can be registered on the viewer pins for viewing through onto the title board, so as to get a composite view. There is a photo cell that attaches to the viewer to regulate light levels. The camera has a foot and frame counter. There is a built-in, retractable, 3 color, successive frame filter between the lens and aperture. This is used for successive frame, 3 color photography. When shooting black and white, this filter is easily retracted by shifting a lever, but remains in sync at all times when not in use.

STOP MOTION: This motor runs forward, reverse, stop motion or continuous. The stop motion is actuated by a remote portable switch. There is a selector switch to select 1 or 3 revolutions each time the switch is pressed. One revolution is used for black and white and 3 revolutions are used for 3 color successive frame photography. There is a built-in precision transmission to deliver the following exposures:

1/4 second (120 RPM), 1/2 second (60 RPM), 1 second (30 RPM), 2 second (15 RPM), 4 second (7 1/2 RPM). There is also a 1 16 second exposure (400 RPM). This does not operate on stop motion and is used for rewind and title work. To change speeds you merely turn a dial to the desired speed. The motor delivers full power at all speeds.

LENS: The lens is color corrected and designed for flat field photography.

ZOOM: The zoom is from 4" field to 12" field and mounted on ball bearing ways. The lens is automatically focused throughout zoom.

TITLE BOARD: The title board has a set of Acme registration pegs on the bottom and a set of moving pegs on top. The board rotates 360° and moves 8 1/2 inches horizontally and 6 1/2 inches vertically. The horizontal and vertical moves are read on counters in one hundredths of an inch.

PLATEN: The glass platen is hand operated.

LIGHTS: The lights are controlled by a built-in Variable Transformer, and read on a voltmeter.

All movements are in easy reach of the operator while viewing through the reflex viewer, at all times during a zoom. The above machine can also be furnished in 16mm. However, in the 16mm camera, the color wheel has been eliminated as it would never be necessary to photograph successive frame, 3-color 16mm.

**INFORMATION TO BE SUPPLIED WHEN ORDERING
35 mm. ACME CAMERA**

The camera is normally supplied with a 5/8" wide, 1/8" deep mounting slot on the bottom of the camera; this slot runs parallel to the optical axis. Three screw holes are provided for securing the camera to a base. For other types of mounting, quotations will be made upon receipt of specifications for the type of mounting desired.

Standard Acme Mounting Slot	Yes	_____			
	No	_____			
Foot and Frame Counter	Yes	_____			
	No	_____			
Magazine	400 ft. Automatic	_____			
	400 ft. Belt	_____			
	1000 ft. Automatic	_____			
	1000 ft. Belt	_____			
	400 ft. Bi-Pack	_____			
Magazine Take-up	Belt	_____			
	400 ft. Automatic	_____			
	1000 ft. Automatic	_____			
Dissolve	Manual	_____			
	Automatic	_____			
Color-Wheel	* Yes	_____			
	No	_____			
* If <u>Yes</u> : Filters	Blue	_____	Red	_____	Green
Wratten No.	_____	_____	_____	_____	_____
Neutral Density Transmission	_____	_____	_____	_____	_____
Type Perforations	Dubray-Howell	_____			
	Bell & Howell	_____			
	Eastman	_____			
Removable Pressure Plate	Yes	_____			
	No	_____			
Raised Buttons	Yes	_____			
	No	_____			
Matte Dovetail in Movement	Yes	_____			
	No	_____			
Position of Pins	Above Aperture	_____			
	Below Aperture	_____			
Location of Big Pin	In Front	_____			
	In Rear	_____			
Aperture Size	Full	(. 980 x . 720)	_____		
	Slide-film	(. 900 x . 700)	_____		
	** Sound	(. 868 x . 631)	_____		
** If <u>Sound Aperture</u> : Sound Track on Big Pin Side		_____			
Sound Track on Small Pin Side		_____			
Numbering Slot	*** Yes	_____			
	No	_____			
*** If <u>Yes</u> : Slot in Front		_____			
Slot in Back		_____			

OTHER:

INFORMATION TO BE SUPPLIED WHEN ORDERING
16 mm. ACME CAMERA

Frame Counter Yes _____
No _____

Magazine 400 ft. Automatic _____
400 ft. Belt _____
1200 ft. Belt _____

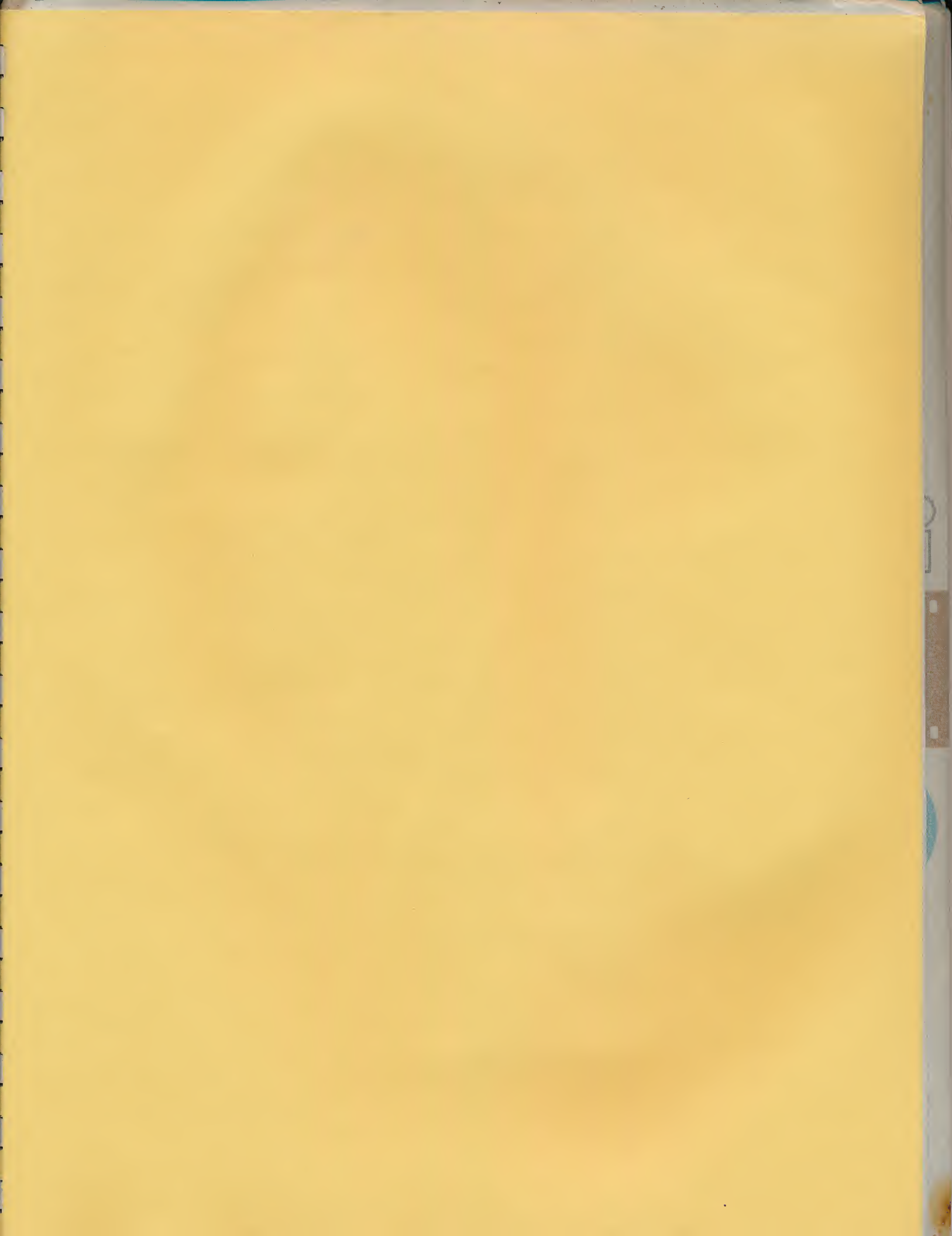
Magazine Take-up Belt _____
400 ft. Automatic _____

Dissolve Manual _____
Automatic _____

Perforations * Single _____
Double _____

* If Single Perforations: Pins in Front _____
Pins in Rear _____

Other:
.....
.....



PHOTOSONICS INC

JHOS Sep 81